

### Abstract

Methods, devices, and systems are directed to managing a proxy request over a secure network using inherited security attributes. Proxy traffic, such as HTTP proxy traffic, is tunneled through a secure tunnel such that the proxy request inherits security attributes of the secure tunnel. The secure attributes may be employed to enable proxy access to a server, thereby extending a security property of the secure tunnel to the proxy connection tunneled through it. A secure tunnel service receives a proxy request from a client and modifies the proxy request to include the security attribute. In one embodiment, the security attribute is an identifier that enables a proxy service may employ to determine another security attribute. The proxy service is enabled to employ the security attribute, and the security attribute to determine if the client is authorized access to the server.

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